

20030529.qrp v02_n935.qrl.20030529

Date: Thu, 29 May 2003 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2935

QRP-L Digest 2935

Topics covered in this issue include:

- 1) [151468] 4SQR Wednesdays Warble Tonight
by "David Bixler" <qrp@netins.net>
- 2) [151469] FS: Shack cleanout items
by Rick McKee <kc8aon@juno.com>
- 3) [151470] Icom 706 MKII info ?
by Rick McKee <kc8aon@juno.com>
- 4) [151471] RE: More Third Order Intercept Technical Stuff
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 5) [151472] Re: Soundcard Filtering
by "laura halliday" <marsgal42@hotmail.com>
- 6) [151473] Re: Screwdriver Antenna headway
by "Karl" <kkanalz@gcecis.com>
- 7) [151474] Re: Icom 706 MKII info ?
by "John J. McDonough" <wb8rcr@arrl.net>
- 8) [151475] Re: Soundcard Filtering
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- 11) [151478] Re: Soundcard Filtering
by "Tim, N9PUZ" <n9puz@arrl.net>
- 12) [151479] Re: Soundcard Filtering
by "Tim, N9PUZ" <n9puz@arrl.net>
- 13) [151480] Re: Screwdriver Antenna headway
by "Bob Tellefsen" <n6wg@earthlink.net>
- 14) [151481] OT: Amiga wanted
by "Emmerson Bigguns" <n8ie@woh.rr.com>
- 15) [151482] Re: Lighter polarity
by "Mike Yetsko" <myetsko@insydesw.com>
- 16) [151483] Re: Soundcard Filtering
by "Doug Hendricks" <ki6ds@dospalos.org>
- 17) [151484] Re: QRP and WMU
by Marten T Beels <martentb@goshen.edu>
- 18) [151485] Re: Linux Logger
by Bob Nielsen <nielsen@oz.net>
- 19) [151486] Re: Soundcard Filtering

- by WJuergens@t-online.de (Wolf-Ruediger Juergens)
- 20) [151487] Re: Lighter polarity
by Pete Burbank <plburbank@earthlink.net>
 - 21) [151488] Re: Linux Logger
by "Pastor-kc1di" <elbc2@gwi.net>
 - 22) [151489] Re: Linux Logger
by "Pastor-kc1di" <elbc2@gwi.net>
 - 23) [151490] Re: [fpqrp] Icom 706 MKII info ?
by Chuck Carpenter <w5usj@9plus.net>
 - 24) [151491] Re: Screwdriver Antenna headway
by "Karl F. Larsen" <k5di@zianet.com>
 - 25) [151492] Re: K2 TOI numbers
by Bill Coleman <aa4lr@arrl.net>
 - 26) [151493] June Spartan Sprint Announcement
by "John Huffman" <hjohnc@core.com>
 - 27) [151494] Flight of the Bumblebees - List
by "John Huffman" <hjohnc@core.com>
 - 28) [151495] Re: Lighter polarity
by "Mike Yetsko" <myetsko@insydesw.com>
 - 29) [151496] Re: Soundcard Filtering
by David Hinerman <WD8CIV@worldnet.att.net>
 - 30) [151497] Re: Linux Logger
by Rob Matherly <w0jrm@arrl.net>
 - 31) [151498] Re: Soundcard Filtering
by Rob Matherly <w0jrm@arrl.net>
 - 32) [151499] Re: Lighter polarity
by "Lee Mairs" <lmairs@direcway.com>
 - 33) [151500] Re: Lighter polarity
by "Tony Fishpool" <tonyg4wif@btconnect.com>
 - 34) [151501] Piggi Hunt
by "Jerry Ford" <benlightnd13@mchsi.com>
 - 35) [151502] QRP Container
by "Francis Callahan" <colcal@srv.net>
 - 36) [151503] Re: Soundcard Filtering
by Ed Lawson <k1vp@grizzly.com>
 - 37) [151504] Re: Lighter polarity
by "Mike Yetsko" <myetsko@insydesw.com>
 - 38) [151505] Re: Lighter polarity
by "Mike Yetsko" <myetsko@insydesw.com>
 - 39) [151506] Re: Shack Cleaning
by Tim Ahrens <tahrens@kctc.com>
 - 40) [151507] Iowa QRP Club CW Net
by mark.milburn@juno.com
 - 41) [151508] [OT] SuSE 8.2 Pro [long]
by Chuck Adams <k7qo@earthlink.net>
 - 42) [151509] Re: Icom 706 MKII info ?
by Garie Halstead <khyberpass65@yahoo.com>
 - 43) [151510] was re:survey now antenna question

by "Scott Galloway" <scott@defiant.mcgeorgecarco.com>
44) [151511] Re: [OT] SuSE 8.2 Pro [long]
by geoff allsup <gallsup@whoi.edu>
45) [151512] Re: Soundcard Filtering
by "laura halliday" <marsgal42@hotmail.com>
46) [151513] Re: Soundcard Filtering
by "Bill Jones" <kd7s@psnw.com>
47) [151514] survey: now antenna question
by "sslyon" <sslyon@megalink.net>
48) [151515] Re: Soundcard Filtering
by <stanw@toxosor.com>
49) [151516] Red letter day here!
by Bruce Rattray <rattray@gpfn.sk.ca>
50) [151517] Re: Soundcard Filtering
by Steve Smith <sigcom@juno.com>
51) [151518] Re: Soundcard Filtering
by "Mike Yetko" <myetsko@insydesw.com>
52) [151519] More solar activity-- Long
by William R Colbert <w5xe@juno.com>
53) [151520] Trade Garmin STreet Pilot
by <n2go@arrl.net>
54) [151521] Telephone Area Code Contest (TAC) 2003
by "Ron Polityka" <wb3aal@fast.net>
55) [151522] Telephone Area Code Contest (TAC) 2003
by "Ron Polityka" <wb3aal@fast.net>
56) [151523] Fwd: Geomagnetic Storms
by Ed Tanton <n4xy@earthlink.net>
57) [151524] more solar -Fw: e-alert 05.29 21:15 UTC-- long
by William R Colbert <w5xe@juno.com>
58) [151525] Palm Paddle for trade
by "Joe W2KJ" <w2kj@bellsouth.net>

Date: Wed, 28 May 2003 17:04:24 -0500
From: "David Bixler" <qrp@netins.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [151468] 4SQRP Wednesday Warble Tonight
Message-ID: <000101c32565\$1a108240\$5d7298d1@XPComputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi Gang: =20

The Four State QRP Group will have our weekly Wednesday Warble tonight
at 9 PM central time. Look for us on 3580.5 KHz with PSK-31 mode.

72, Dave

David Bixler W0CH
Seneca, Missouri
W0CH QRP Web Site: <http://w0ch.com> or <http://w0ch.net>
Four State QRP Group: <http://4sqrp.com>

QRP: Little Radios, Big Fun!=20

Date: Wed, 28 May 2003 18:33:54 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU, fpqrp-l@mpna.com
Subject: [151469] FS: Shack cleanout items
Message-ID: <20030528.183400.9166.1.kc8aon@juno.com>

Still have the Vectronics VEC-830 SSB audio Filter, in Vectronics case, some scratches on front and rear panel, but works great, 3 bandwidths and bypass position. \$20 plus shipping

MFJ CWF-2 CW filter, board only, no cabinet, works great, will include a multi position switch to select different bandwidths (3 plus bypass position). Bought this to put inside my Yaesu FT-7 but theres no room inside the radio for it ! \$10 plus shipping

Lionell J-38 straight key in great shape, shorting bar missing, has original bakelite mounting plate, no cable. \$25 plus shipping

British military straight key marked, Key W.T. 8 Amp MKIII, good condition, made almost entirely of bakelite except for the screws and contacts. \$25 plus shipping

G5RV antenna, unused, made with Belden 14 gauge stranded brown insulated wire, center insulator has eyebolt for hanging as an inverted V. This is a full size G5RV, 102' long with 34' of 450 ohm windowline. No balun or connectors on end of balanced line. Made it up with new materials and never used it - put up a 40 meter extended double zepp instead ! \$25 plus shipping

One Dow - Key Relay model DK 139, coil handles up to 19 volts, on normally open contact, one normally closed contact, BNC connectors, makes a great antenna change over relay. \$15 plus shipping

Various used parts too numerous to list, (meters, pots, knobs, transformers, capacitors etc etc),

let me know what you need and I'll see if I have it. Prices will be cheap !

If interested, please contact me off the list & thanks for the BW

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

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Date: Wed, 28 May 2003 18:59:35 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [151470] Icom 706 MKII info ?
Message-ID: <20030528.185940.9166.3.kc8aon@juno.com>

Gang,

Found a great local deal on an Icom 706 MKII, not the MKIIG. If any of you has one, what are your likes / dislikes about the radio ? Any common problems that you know of ? Any good mods ? And I notice that it will go down to 5 watts from the factory, but can it be made to go lower ? Does it have a built in keyer ? Any info at all would be helpful.

Thanks in advance !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

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Date: Wed, 28 May 2003 16:05:12 -0700

From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'KD5NWA'" <KD5NWA@cbayona.com>
Cc: qrp-1@Lehigh.EDU
Subject: [151471] RE: More Third Order Intercept Technical Stuff
Message-ID: <7FD24C15A06DD511BF9E00D0B73E995206FBFFC6@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

The limitations of mechanical filters seem similar to the limitations of crystals. Both convert back and forth between electrical and mechanical energy and both are limited to how much they can convert without problems.

It is interesting to consider how the stress (think "non-linear" response) of an overdriven electrical to mechanical conversion can lead to distortion and the creation of "in passband" spurs from the very signals the crystal filter is designed to keep out.

- Dan, N7VE

> -----Original Message-----

> From: KD5NWA [mailto:KD5NWA@cbayona.com]

> Sent: Wednesday, May 28, 2003 9:29 AM

> To: Dan Tayloe; Low Power Amateur Radio Discussion

> Subject: Re: More Third Order Intercept Technical Stuff

>

>

> Thank you, I agree with your statements 100 %, you need to

> test the entire

> receiver chain, not just the front end for the test to mean anything.

>

> Filters if not properly designed, or terminated properly will bleed

> undesired signals if the signals are close to it's bandpass,

> mechanical

> filters are the worst of the bunch, because even if

> everything is designed

> correctly are not capable of handling large signals.

>

> At 11:55 AM 5/27/2003, Tayloe Dan-P26412 wrote:

> >Speaking of specmanship, I do not really think it is fair to

> publish a

> >spec using a pair of 20 KHz spaced strong signals with the

> receiver tuned

> >an additional 20 KHz away from that. This kind of spacing

> (or 50 KHz or

> >100 KHz spacing as some manufactures use) hide the real

> performance of the

> >receiver under real life conditions. In contest or pileup

> conditions, we
> >usually do not have the luxury of keeping big signals 20 KHz away.
> >
> >I really like the swept frequency IP3 dynamic range charts
> that the ARRL
> >lab has done. One of the things these charts clearly show
> is that the IP3
> >spur rejection performance of the receiver degrades
> significantly as the
> >test signal pair moves closer and closer in. While testing
> with 20 or 50
> >KHz spaced signals show the performance of the first
> receiver stage or
> >two, going right down to one or two KHz shows a better
> indication of how
> >the receiver as an overall system is performing.
> >
> >Some folks think that simply having a narrow crystal filter
> guards them
> >against junk 1-2 KHz away. This appears not to be the case.
> When I was
> >testing my DC receivers, I was very surprised to find that my test
> >receiver had roughly 18 db better IP3 spur rejection in the
> close in area
> >(3 KHz and less) than other really good receivers. This
> surprised me
> >because these receivers had the benefit of sharp crystal
> filters early in
> >the receiver lineup, and the roll off of these crystal
> filters where much
> >better than the simple R/C roll off in the front end of my
> test receiver.
> >
> >I have an untested theory that the close in IP3 performance of these
> >really good superhet receivers is being compromised by wimpy modern
> >crystals used in the crystal filters. When I look at the
> power rating of
> >the readily available crystals from places such as Digikey
> or Mouser, I
> >see that they tend to fall in the 0.05 to 0.1 mW (50 to 100 uW)
> >range. Don't even think about building a high performance
> crystal filter
> >using cylinder type crystals, as their power rating can be
> as small as 1
> >uW! As a general rule of thumb, IP3 distortions tend to
> occur when a
> >device is run about 23 db lower than their rating. This rule
> would imply

> >that typical 50 -100 uW HC-49 crystals would start causing IP3
> >distortions when pushed to levels corresponding to only 3.5 to 7 uW
> >(0.0035 - 0.007 mW). Remember, it takes only a tiny, tiny amount of
> >distortion in the receiver front end to produce a receiver
> spur 130 to 140
> >db down that can be heard in our very sensitive receivers!
> >
> >One of the things that I have noticed in the design of
> superhet receivers,
> >is a post first mixer IF amplifier that runs with lots of
> current. This
> >is done so that the IF amp can withstand all the high level
> signals spread
> >across the entire band before things get narrowed down by
> the crystal filter.
> >
> >As I mentioned above, it is likely that the relatively poor
> close in IP3
> >spur performance of really good superhet receivers is due to
> the crystal
> >filters they use. These crystals start to distort as strong
> signals start
> >approaching the filter pass band and thus begin to excite the
> >crystals. The use of a high current drain IF preamp
> probably worsens this
> >situation. Having a tighter crystal filter will not stop
> these crystals
> >from distorting and creating IP3 spurs at the edge of the filter.
> >
> >On the other hand, the Rs and Cs in my test DC receivers are
> not at all
> >stressed by signals of a volt or two. Using the 23 db rule,
> which might
> >not really apply to Rs and Cs, would limit a 50v detection
> capacitor to RF
> >voltages of 3.5v or less.
> >
> >On possible solution to close in IP3 performance of superhet
> receivers may
> >be simply to use physically larger crystals. The old FT243
> type crystals
> >in an IF filter might may for really good close in superhet receiver
> >performance. Another thought is that all crystals in a
> given crystal
> >filter might not need to be physically large. It might be
> good enough
> >that the first crystal or two in the filter be physically
> larger since

> >they are the ones that will be the first line of defense
> against large out
> >of pass band signals.
> >
> >- Dan, N7VE
>
> Cecil
> KD5NWA
>

Date: Wed, 28 May 2003 16:13:48 -0700
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [151472] Re: Soundcard Filtering
Message-ID: <LAW8-F60uCBcKfExvWv00006c3f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Tim N9PUZ asked about DSP filters using a PC with a
sound card...

Even if only for the sake of completeness, please do not
discount the possibility of rolling your own. The underlying
theory of FIR filters is about as simple as DSP gets. To
compute the coefficients for such a filter requires two
equations (the coefficients and the windowing function),
plus an estimate of how many coefficients you need.

By 2003 standards the compute requirements are trivial.

Preaching To The Converted Dept.: such things really
are easier to do under Linux, where the sound card is
just another device. Read samples from it, process, write
samples.

Nothing to it. Really.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

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Date: Wed, 28 May 2003 18:27:58 -0500
From: "Karl" <kkanalz@gcecis.com>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151473] Re: Screwdriver Antenna headway
Message-ID: <003101c32570\$c7c7f0c0\$ac1a0ed0@HamShack>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What? Karl, is your Dodge "Durango" transparent so that it doesn't provide any shade at all when you're creepy-crawling underneath the chassis? You'd better consider getting a Toyota "Tundra". When I'm under mine, it provides nice shade, even when it's 90-degrees plus outside. [grin]

Karl ("The REAL Karl") K - W8TIF
McKinney, Texas

----- Original Message -----
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, May 28, 2003 3:15 PM
Subject: Screwdriver Antenna headway

>
> I'm under a fan writing this. I have been under my Dodge Durango
> 4x4 for 2 hours working the cable from the antenna mount sticking out
> back of the vehicle to the driver's area. It's 90 in the shade and I was
> not under any shade. But it was just hard dirty work. I followed the
> wiring harness from the back to where it comes up and goes into the
> firewall. Tomorrow I will make a hole larger in the firewall and pass
> the cable inside the cab. Progress.

> - Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Wed, 28 May 2003 20:03:53 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <kc8aon@juno.com>
Subject: [151474] Re: Icom 706 MKII info ?

Message-ID: <002101c32575\$cbf46a20\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Rick

My MkII is around 5 years old, and I still like it a lot. In fact, I just picked up a G at Dayton so I don't have to drag the rig between the house and the car.

The MkII is pretty awful for setting up repeaters, that's it's main downside, IMO. Once they are in memory it's no problem, but getting the splits and tones set is pretty counterintuitive. It's unrealistic to think you can set up a repeater in memory after you get somewhere - this is something that needs quiet and the manual handy.

The weak signal VHF guys say it has a drift problem without the oven, but it's not discernable on HF or on FM. But I guess if you do a lot of 2 meter CW it may be an issue.

Without help, it will go down to about 3 watts. Some folks have plugged a pot into the accessory jack on the back to get lower. If I want lower I just go to my K1.

Mine went in for service for the first time in January - the CPU went crazy. Icom charged me the minimum charge, but with the pony express both ways I was without it for what seemed like an interminable time.

I have a CW filter and the UT-106. IMO, both are a requirement. I don't think it matters a lot which CW filter, that's more a matter of personal preference.

The rig does have a keyer built in, no memories, though. I find the keyer a little smoother, somehow, than most. However, T/R switching is via relays. They aren't horribly noisy but it takes some getting used to if you like QSK. I understand the rig will chop the leading element a bit, but it's not noticeable below about 40 WPM.

One nice feature is that there is audio out the back which isn't affected by the volume control. Nice for PSK, RTTY, SSTV, etc. Also, there are loggers that will read the frequency and mode from the rig - the interface is pretty simple to build.

There are some really nice features that take a bit of practice. The scratchpad memories are killer for DX. The band scope is frequently handy if a little lame compared to the 756. This is one of those feature-laden

rice boxes, so getting the hang of all the features, and even figuring out what use they are, takes a while.

I don't really like the rig on phone. I have the narrow SSB filter and I feel like the skirts aren't steep enough. However, my previous phone rig had Collins mechanical filters so maybe I'm spoiled.

There is also a need for a tune adapter - see my web page, or you can get one commercially for about \$30.

All in all, it's a pretty nice rig. Oh, yes. It is a power hog. Don't even think about backpacking with the thing. Even without the backlight it draws almost an amp on receive, with the light it can get over 2. Although it looks the same, this is NOT a 703 or even close.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Rick McKee" <kc8aon@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, May 28, 2003 6:59 PM

Subject: Icom 706 MKII info ?

> Gang,

>

> Found a great local deal on an Icom 706 MKII, not the MKIIG. If any of
> you has one, what are your likes / dislikes about the radio ? Any common
> problems that you know of ? Any good mods ? And I notice that it will
> go down to 5 watts from the factory, but can it be made to go lower ?
> Does it have a built in keyer ? Any info at all would be helpful.

>

> Thanks in advance !

>

> 72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
> SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
> QRP-L #2112, FPqrp #33, AR QRP #269

> QRP'ers DEPEND ON SKILL - NOT RAW POWER !

>

>

>

> -----
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Date: Wed, 28 May 2003 19:28:33 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: marsgal42@hotmail.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151475] Re: Soundcard Filtering
Message-ID: <5.2.0.9.0.20030528192051.00ab5970@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The one I mentioned, not only let's you modify, the frequency, bandwidth, number of stages, skirt steepness, off band attenuation...etc, but it also lets you enter the filter coefficients into a ASCII file so you can have whatever kind of filter you want.

It is written by JE3HHT, Makoto Mori, It's a nice piece of software specially if you want to play around with filter coefficients before you go out and build a DSP filter.

<<http://www.qsl.net/mmhamsoft/>>

At 06:13 PM 5/28/2003, laura halliday wrote:

>Tim N9PUZ asked about DSP filters using a PC with a
>sound card...
>
>Even if only for the sake of completeness, please do not
>discount the possibility of rolling your own. The underlying
>theory of FIR filters is about as simple as DSP gets. To
>compute the coefficients for such a filter requires two
>equations (the coefficients and the windowing function),
>plus an estimate of how many coefficients you need.

>
>By 2003 standards the compute requirements are trivial.

>
>Preaching To The Converted Dept.: such things really
>are easier to do under Linux, where the sound card is
>just another device. Read samples from it, process, write
>samples.

>
>Nothing to it. Really.

>
>Laura Halliday VE7LDH "Que les nuages soient notre
>Grid: CN89lg pied a terre..."

>ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

>

>-----

>STOP MORE SPAM with the new MSN 8 and get 2 months FREE*
><http://join.msn.com/?page=features/junkmail>

Cecil
KD5NWA

Date: 28 May 2003 20:57:31 -0400
From: David J Adams <david@theadamsclan.com>
To: qrp-1@lehigh.edu
Subject: [151476] Linux Logger
Message-ID: <1054169850.3045.1.camel@localhost.localdomain>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

Can anyone recommend a decent linux logger (general purpose...though qrp
contest support is nice). Finally got the bugs worked out of
RH9...still not wireless though.

73 de dave, n9uxu

Date: Wed, 28 May 2003 20:31:28 -0500
From: Tim Ahrens <tahrens@ktc.com>
To: qrp-1@Lehigh.EDU
Subject: [151477] Shack Cleaning
Message-ID: <3ED562F0.8114A97C@ktc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi folks - doing a bit of cleaning!

Some stuff for sale:

Yaesu FT-817 HF/VHF/UHF/Gen Coverage transceiver

\$500

Includes: CW Filter
Z11 Auto tuner
Internal NiMH pack

Extra Gel Cell with Charger
Cables, etc

Icom IC-PCR 1000 PC Radio

\$295

1 month old, Brand new
Includes Bonito software, manuals
and all accessories

Kenwood R-1000 General coverage receiver

\$350

(looks like TS-440)
Includes all filters (AM/CW, etc)

If you are interested, drop me a line at

tahrens@kctc.com

All units are fully functional, and in great
condition!

Thanks,

Tim

Date: Wed, 28 May 2003 20:26:10 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: <marsgal42@hotmail.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [151478] Re: Soundcard Filtering
Message-ID: <2003528203054.031518@EOS>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable

On Wed, 28 May 2003 16:13:48 -0700, laura halliday wrote:
>Tim N9PUZ asked about DSP filters using a PC with a sound=
card...

>
>Even if only for the sake of completeness, please do not=
discount
>the possibility of rolling your own. The underlying theory of=
FIR
>filters is about as simple as DSP gets. To compute the=
coefficients
>for such a filter requires two equations (the coefficients and=
the
>windowing function), plus an estimate of how many coefficients=
you
>need.
>
>By 2003 standards the compute requirements are trivial.
>
>Preaching To The Converted Dept.: such things really are easier=
to
>do under Linux, where the sound card is just another device.=
Read
>samples from it, process, write samples.
>
>Nothing to it. Really.

This need was for some specific, short term experiments to=
satisfy my
curiosity. Eventually if I were to do a permanent solution I'd do=
a stand
alone board that could drive either headphones or a speaker.

Thanks,

Tim, N9PUZ

Date: Wed, 28 May 2003 20:43:47 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [151479] Re: Soundcard Filtering
Message-ID: <2003528204356.490215@EOS>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Thanks to everyone who suggested their favorite sound card DSP=
programs. I
have about half a dozen things to research further now.

Tim, N9PUZ

Date: Wed, 28 May 2003 19:20:00 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [151480] Re: Screwdriver Antenna headway
Message-ID: <MABBJOEABOILMKCJCLFCMEAHEHAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl
I thought they called this business Wireless? :-)
73, Bob N6WG

Date: Wed, 28 May 2003 22:16:24 -0400
From: "Emmerson Bigguns" <n8ie@woh.rr.com>
To: "Pigs" <fpqrp-1@mpna.com>
Cc: "QRP-1" <qrp-1@lehigh.edu>
Subject: [151481] OT: Amiga wanted
Message-ID: <MMEDLKDLONJOAIGICDJACEKDEFAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,
I'm looking for a working Amiga 2000, if you have one for sale please
respond in private.

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.483 / Virus Database: 279 - Release Date: 5/19/2003

Date: Wed, 28 May 2003 22:13:18 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <plburbank@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151482] Re: Lighter polarity
Message-ID: <019801c32588\$de85da80\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Does anyone know of any autos these days that are positive ground? I
know
> that in the distant past there were
> a few and some mobile radios allowed switching from + to minus. Of course
> that leads to some messy
> ground plane/shielding problems.
> Is there a SAE standard?
> 73
> Pete NV4V

Currently, I know of no 'production' vehicles. However, it used to be
the 'norm' that a lot of 'truck' type vehicles were 'positive' ground
years
ago. I used to have a 1950 Willys that was negative ground and that
surprised more than one of my mechanic friends.

I think some of the big 'tractor trailer' type rigs were positive ground
into the 70's.

Mike

Date: Wed, 28 May 2003 21:32:12 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [151483] Re: Soundcard Filtering
Message-ID: <007601c3259b\$48268b30\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Laura, you are kidding right? I don't have a clue where to start writing my
own program for a dsp filter. Are you sure that this post isn't an April
Fool's joke? 72, Doug

Date: Wed, 28 May 2003 23:41:17 -0500
From: Marten T Beels <martentb@goshen.edu>
To: KC8WBK <cruisenewsnet@yahoo.com>, qrp-1@Lehigh.EDU
Subject: [151484] Re: QRP and WMU
Message-ID: <1054183277.3ed58f6d65928@mail.goshen.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Paul,
Thanks for the response. I enjoyed reading about your experiences with your SW+ 40 on your web page. I felt the same way when my first CQ got answered! I wasn't quite prepared for the shock I felt when I heard my call sign sent by someone else in CW! I didn't have the luxury of a SW broadcast station breaking in, so I had to sweat it out. Lots of fun....

Marten

Quoting KC8WBK <cruisenewsnet@yahoo.com>:

> Marten;
>
> Hi and congrats on getting into WMU. I live in South
> Haven, which is on Lake Michigan about 30m west of
> Kalamazoo.
>
> I did some research and got a Small Wonder Labs SW+
> 40m rig as my first ham radio. It was an excellent
> kit and it works great. I can only recommend it for a
> QRP rig. I have been a ham only since March, and I
> have never used a "big rig", so maybe I just don't
> know what I am missing. As a non-technical person I
> was able to put the kit together and it worked
> perfectly the first time I powered it up - that means
> the building directions are excellent. The enclosure
> kit is also very good, I would recommend getting the
> radio kit plus the enclosure kit.
>
> Good luck in your studies, and maybe we will meet on
> 40m! I listen in around 7040 and 7120.
>
> =====
> KC8WBK
> <http://www.qsl.net/kc8wbk>

>
> -----
> Do you Yahoo!?
> Yahoo! Calendar - Free online calendar with sync to Outlook(TM).
> <http://calendar.yahoo.com>
>

This mail sent through IMP: <http://horde.org/imp/>

Date: Wed, 28 May 2003 22:18:20 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [151485] Re: Linux Logger
Message-ID: <20030529051820.GA7986@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Wed, May 28, 2003 at 08:57:31PM -0400, David J Adams wrote:
> Can anyone recommend a decent linux logger (general purpose...though qrp
> contest support is nice). Finally got the bugs worked out of
> RH9...still not wireless though.
>
> 73 de dave, n9uxu
>

I use TLF for both contesting and general use. None of the QRP
contests are directly supported but it has a generic contest
capability.

I also have looked at Klog but need to install a good video card in my
shack computer as the built-in chips don't support X very well.

TLF: <http://home.iae.nl/userc/reinc/tlf-0.2.html>

KLOG: <http://jaime.robles.nu/klog>

There are several others listed (with links) at
<http://radio.linux.org.au>

73,
Bob, N7XY

Date: Thu, 29 May 2003 07:32:31 +0200
From: WJuergens@t-online.de (Wolf-Ruediger Juergens)
To: ki6ds@dospalos.org,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [151486] Re: Soundcard Filtering
Message-ID: <200305290732.31554.wjuergens@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="windows-1252"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

On Thursday 29 May 2003 06:32, Doug Hendricks wrote:
> Laura, you are kidding right? I don't have a clue where to start writing
> my own program for a dsp filter. Are you sure that this post isn't an
> April Fool's joke? 72, Doug

A startpoint is <http://www.dspguru.com/>, for audio input/output
<http://www.alsa-project.org/> has a lot of informations.

72 de Wolf, DL2WRJ

--

Nothing so needs reforming as other people's habits.
 -- Mark Twain, "Pudd'nhead Wilson's Calendar"

Date: Thu, 29 May 2003 01:49:07 -0400
From: Pete Burbank <plburbank@earthlink.net>
To: myetsko@insydesw.com,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [151487] Re: Lighter polarity
Message-ID: <5.2.0.9.0.20030529010042.00a3f670@Earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Tnx Mike,
This is an interesting topic and not OT as many folks run QRP mobile. I was
wondering how the polarity
to the frame of a vehicle was established in the first place. I poked
around on the SAE site and did not come
up with anything. I could not find any standards regarding polarity but

there is a ton of stuff on the site
including references to research papers.
I owned 2 MGBs and guess the British may have started some of the wiring
protocol for some reason
unknown to me. For those ignition systems it (IMHO) did not make much
difference what the polarity
was but now days polarity can fry your radio. I always check with a VOM.
Maybe some of our British friends can shed some light on this.
73 to all
Pete NV4V Ky

At 10:13 PM 5/28/2003, Mike Yetsko wrote:

> > Does anyone know of any autos these days that are positive ground? I
> know
> > that in the distant past there were
> > a few and some mobile radios allowed switching from + to minus. Of course
> > that leads to some messy
> > ground plane/shielding problems.
> > Is there a SAE standard?
> > 73
> > Pete NV4V
>
> Currently, I know of no 'production' vehicles. However, it used to be
> the 'norm' that a lot of 'truck' type vehicles were 'positive' ground
> years
> ago. I used to have a 1950 Willys that was negative ground and that
> surprised more than one of my mechanic friends.
>
> I think some of the big 'tractor trailer' type rigs were positive ground
> into the 70's.
>
> Mike

Date: Thu, 29 May 2003 05:39:37 -0400 (Eastern Standard Time)
From: "Pastor-kc1di" <elbc2@gwi.net>
To: <david@theadamsclan.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151488] Re: Linux Logger
Message-ID: <3ED5D559.000001.01772@DOR>
MIME-Version: 1.0
Content-Type: Text/Plain

Content-Transfer-Encoding: quoted-printable

=0D

=0D

-----Original Message-----=0D

=0D

From: david@theadamsclan.com=0D

Date: Thursday, May 29, 2003 12:54:02 AM=0D

To: Low Power Amateur Radio Discussion=0D

Subject: Linux Logger=0D

=0D

Can anyone recommend a decent linux logger (general purpose...though qrp=0D
contest support is nice). Finally got the bugs worked out of=0D

RH9...still not wireless though.=0D

=0D

73 de dave, n9uxu=0D

=0D

Hi dave,=0D

=0D

I'd Recomend X-log That's the one I use, there are others out there but
this is the one I like and it has Adif file support which make it easy to
upload to on line log books such a Eqs1.cc. It also allows for the
developement of rig control if you want that .=0D

your can get the latest build at [http://people.debian.org/~pa3aba/xlog.ht=](http://people.debian.org/~pa3aba/xlog.html)
[ml](http://people.debian.org/~pa3aba/xlog.html)=0D

Scrol to the bottom of the page and it will say get x-log here.=0D

=0D

Good luck ,=0D

73 Dave kc1di =0D

=0D

=0D

=2E

Date: Thu, 29 May 2003 05:42:35 -0400 (Eastern Standard Time)

From: "Pastor-kc1di" <elbc2@gwi.net>

To: <david@theadamsclan.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [151489] Re: Linux Logger

Message-ID: <3ED5D60B.000003.01772@DOR>

MIME-Version: 1.0

Content-Type: Text/Plain

Content-Transfer-Encoding: quoted-printable

=0D

=0D

-----Original Message-----=0D

=0D
From: david@theadamsclan.com=0D
Date: Thursday, May 29, 2003 12:54:02 AM=0D
To: Low Power Amateur Radio Discussion=0D
Subject: Linux Logger=0D
=0D
Can anyone recommend a decent linux logger (general purpose...though qrp=0D
contest support is nice). Finally got the bugs worked out of=0D
RH9...still not wireless though.=0D
=0D
73 de dave, n9uxu=0D
=0D
Also forgot to mention there it an X-log reflector at <http://mail.nongnu.org/mailman/listinfo/xlog-discussion>=0D
=0D
=0D
=0D
=2E

Date: Thu, 29 May 2003 05:57:35 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: Rick McKee <kc8aon@juno.com>, fpqrp-l@mpna.com, qrp-l@lehigh.edu
Subject: [151490] Re: [fpqrp] Icom 706 MKII info ?
Message-ID: <3.0.2.32.20030529055735.0084a390@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Rick,

I like my IC706MKiiG and the IC706 would be quite similar except for the difference in band complement and the lack of DSP. The DSP is only noise reduction and there are no DSP filters so it doesn't do a whole lot. For CW the 706s really need a narrow filter installed, e.g., 500 Hz.

The 706s are current hogs too so don't expect to operate them from 7 AHr batteries for extended periods. I've run mine for a few hours from a 35 AHr tractor battery though.

I also really like my Yaesu FT-817 that was designed for portable operation. Even with the tiny control and display design characteristics which others choose to call design flaws... [g]

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 <http://www.netxqrp.org>

Date: Thu, 29 May 2003 05:37:40 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Karl <kkanalz@gcecispc.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [151491] Re: Screwdriver Antenna headway
Message-ID: <Pine.LNX.4.44.0305290533280.1549-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Alas Karl, about half of me was out from under the Dodge. The other half was cool but dirty. There are people who have a garage. I do have a tree I should have pulled under...:-)

On Wed, 28 May 2003, Karl wrote:

> What? Karl, is your Dodge "Durango" transparent so that it doesn't provide
> any shade at all when you're creepy-crawling underneath the chassis? You'd
> better consider getting a Toyota "Tundra". When I'm under mine, it provides
> nice shade, even when it's 90-degrees plus outside. [grin]
>

> Karl ("The REAL Karl") K - W8TIF
> McKinney, Texas
>

> ----- Original Message -----

> From: "Karl F. Larsen" <k5di@zianet.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Wednesday, May 28, 2003 3:15 PM
> Subject: Screwdriver Antenna headway
>
>

> >
> > I'm under a fan writing this. I have been under my Dodge Durango
> > 4x4 for 2 hours working the cable from the antenna mount sticking out
> > back of the vehicle to the driver's area. It's 90 in the shade and I was
> > not under any shade. But it was just hard dirty work. I followed the
> > wiring harness from the back to where it comes up and goes into the
> > firewall. Tomorrow I will make a hole larger in the firewall and pass
> > the cable inside the cab. Progress.
>

> > - Karl Larsen k5di Las Cruces, NM Az ScQRPions -
>

>
>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Thu, 29 May 2003 08:03:51 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151492] Re: K2 TOI numbers
Message-ID: <20030529120548.GQZB16983.imf41bis.bellsouth.net@[192.168.0.20]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 5/27/03 11:13 AM, Karl F. Larsen at k5di@zianet.com wrote:

> Since I have k2.pdf from the ARRL Web page I displayed it and
> calculated the Third Order Intercept (TOI) for this radio. The equation
> I used is $1.5(A - B) + B$ or $1.5(\text{IMD-DR}) + \text{MDS}$ which are identical and
> give identical results. The frequency is 14.02 MHz.

>

> The MDS (minimum detectable signal) = -117dbm

The ARRL lab report lists this as -131 dBm with the preamp off, -138 dBm with the preamp on. All on 14 MHz.

> The IMD-DR = 96 DB (from the swept 2 tone chart)

The ARRL lab report lists this as 97 dB with the preamp off, 98 dB with the preamp on on 14 MHz.

> The IP3 or TOI = +27 DB

The ARRL lab report lists this as +21.6 dBm preamp off, +6.9 dBm preamp on.

> This TOI is about the best I have seen so far. And it's from ARRL data
> so I have reason to believe it's accurate.

What I find really odd, Karl, is that you took it upon yourself to "calculate" the value of Ip3, yet you used the incorrect numbers.

You should have noticed that the ARRL review clearly publishes these numbers, and the K2 value of +21.6 dBm is not only the most impressive,

it is the highest Ip3 value that the League has published so far for any amatuer transceiver. (Compare: <http://www.elecrafter.com/K2_perf.htm>)

Now, that position is likely to change with the coming reviews of both the TenTec Orion, and the Icom IC-7800, if their manufacturer claims are to be believed. But being in the top 3 ain't so bad, especially at considerably lower cost.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 29 May 2003 08:12:31 -0400
From: "John Huffman" <hjohnc@core.com>
To: <adventureradiosociety-announcements@mailman.qth.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [151493] June Spartan Sprint Announcement
Message-ID: <009d01c325db\$b6cb2ce0\$a8ac59cf@jhuffman1t>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Spartan Sprint Contest Monday -

The June Spartan Sprint will be held this coming Monday. It's getting nicer outside and we will continue our special recognition for those who operate outdoors. If you operate outdoors, please note it in your Soapbox comments after the contest.

If it's portable and outdoors, it's Adventure Radio!

The results may be late this month, I'll be on the road. I *think* I'm set to post the results from there. But, if Murphy turns up don't be surprised if the results are a week or so late.

The June Spartan Sprint will be held on June 2, 2003 (which is our standard date--the first Monday of the month). It's two hours of fun as you contact other QRP CW stations on 80, 40, 20, 15, and/or 10 meters. The contest starts at 9 pm EDT, 8 pm CDT, 7 pm MDT, and 6 pm PDT. That's 0100-0300 UTC.

The exchange is RST - State - Power (e.g. 559 MI 5W). Contest details and

rules are below.

NOTE - The deadline for logs is noon on Wednesday, Pacific Time.

Logging Programs -

Keep track of your Spartan Sprint contacts with our free contest logging program. Download the latest version at:

http://www.natworld.com/ars/pages/spartan_sprints/ss_logger.html

The program has not been changed for the last couple of months so if you have a copy, it's current.

Steve, N90H, has written a plug-in for WriteLog to add ARS Spartan Sprint support that can be downloaded from Steve's website:

<http://wlmods.n9oh.com>

Contest Rule Summary -

You may operate on any one or more of five bands--80, 40, 20, 15, and 10 meters. The frequencies will be 3560+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-.

We commend the winners in two categories--overall points (the Tubby Division), and points per pound (the Skinny Division). We show everyone's score in both categories.

The exchange RST, SPC (state, province or country) and power output.

If you choose to call CQ, use the format "CQ SP".

You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to

www.natworld.com/ars

and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at

www.natworld.com/ars/ss_log.html

"Station Weight" is defined as the combined weight of all transmitters, receivers, keys, keyers, batteries, and power supplies used during the Sprint. The specifics of our weight rules for the Skinny Division can be found at:

http://www.natworld.com/ars/pages/spartan_sprints/ss_weight_rules_new.html

If you don't have access to the web, send John Huffman, NA8M, an email with your total QSOs and the total weight of your station. You may also include

your comments from the soapbox. John's email address is
hjohnc@core.com

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday at noon.

73 de NA8M
John
Contest Manager
Adventure Radio Society

Date: Thu, 29 May 2003 08:31:20 -0400
From: "John Huffman" <hjohnc@core.com>
To: <adventureradiosociety-announcements@mailman.qth.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [151494] Flight of the Bumblebees - List
Message-ID: <002a01c325de\$3948b6e0\$9ec859cf@jhuffman1t>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Flight of the Bumblebees - 2003

July 27, 2003

Contest Details -

http://www.natworld.com/ars/pages/bumblebees/bb_rules.html

So far we have 79 Bees. The list is below. There's plenty of time to get a number, right up to two days before the contest. To get a Bee number, reply to this message with your call or send an email to hjohnc@core.com

If you get a number, but your plans change, it's no problem. Use your number if you trekked to a portable location. Don't use it if you were stuck at home.

If you requested a number, check below to see if you are interested.

73 de NA8M

John

Contest Manager

Adventure Radio Society

Bumblebee Numbers as of May 28:

Number	Call
1	N1AOK
2	W1PID
3	AA5CK
4	K6III
5	W9FNB
6	WA9TPX
7	W8BHK
8	AA8IV
9	VE3CJ
10	KI6SN
11	W8DIZ
12	AA1MY
13	W0CH

14	WA4CIT
15	WB9LIF
16	WW9H
17	N7SR
18	K1VP
19	VE3FAL
20	K9YT
21	N90H
22	N2XE
23	AC6KW
24	N4DD
25	NA8M
26	W3BB0
27	WA4SQM
28	K7PER
29	KI0II
30	W9SUL
31	AI5W
32	WB6HQB
33	AA5B
34	WD4MSM
35	KT3A
36	K0NE0
37	K0EVZ

38	N7LT
39	AF2Q
40	KH6HE
41	W5YR
42	VE3XT
43	WS6T
44	KD7GIM
45	K3SFP
46	N4BP
47	WD3P
48	KB7MBI
49	NI9Y
50	W3TW
51	AC5K
52	W7PUA
53	N6GA
54	N4DMI
55	AA2AD
56	KB0VCC
57	N0YGY
58	K7GT
59	AK7Y
60	AB0XE
61	N7CEE

62 KB9LCK
63 N0SXX
64 K5HWT
65 WA9TZE
66 AC6NT
67 KA9IKK
68 KF6UEB
69 KQ6DV
70 KB9ZRX
71 VE3WBE
72 N05DL
73 K7TQ
74 W0NX
75 VE3ELA
76 N8XD
77 W5CGH
78 VE3GWN
79 VA7NT

Date: Thu, 29 May 2003 08:31:48 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
"Pete Burbank" <plburbank@earthlink.net>
Subject: [151495] Re: Lighter polarity
Message-ID: <00d301c325de\$59a5a060\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Tnx Mike,
> This is an interesting topic and not OT as many folks run QRP mobile. I
was
> wondering how the polarity
> to the frame of a vehicle was established in the first place. I poked
> around on the SAE site and did not come
> up with anything. I could not find any standards regarding polarity but
> there is a ton of stuff on the site
> including references to research papers.
> I owned 2 MGBs and guess the British may have started some of the wiring
> protocol for some reason
> unknown to me. For those ignition systems it (IMHO) did not make much
> difference what the polarity
> was but now days polarity can fry your radio. I always check with a VOM.
> Maybe some of our British friends can shed some light on this.
> 73 to all
> Pete NV4V Ky

My understanding, which may be faulty and subject to influenced
'revisionist' reconstruction, is that at one time (maybe still today) it
was the 'positive ground' because that was believed to be better
for corrosion prevention in the chassis. But I don't know why the
other way was justified.

Regardless, everything is or has moved 'towards' the negative ground
scheme. More likely due to marketing pressure for options than
anything else.

Mike

Date: Thu, 29 May 2003 08:56:39 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [151496] Re: Soundcard Filtering
Message-ID: <5.1.1.6.1.20030529084509.00a64ba0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:32 PM 5/28/2003 -0700, you wrote:

> Laura, you are kidding right? I don't have a clue where to start writing my
> own program for a dsp filter. Are you sure that this post isn't an April

>Fool's joke? 72, Doug

Doug,

For someone who's done programming before, most DSP algorithms turn out to be surprisingly simple once you learn what they actually do. That's because they have to run very, very fast. All they amount to in many cases is something like this:

```
Take a sample
Multiply sample by a constant
Add product to an accumulator
Do it again. And again. And again...
```

The actual -hard- part of writing such a program is getting the system set up in the first place (initializing the sound card, etc.) and knowing what constant(s) to multiply the samples by.

Most practical filters will actually multiply a list of samples by a list of constants. A new sample is added to the top of the list, all the existing samples drop down one space, and the old one is dropped off the end. Sort of like a chain letter. (But I swear it's legal!)

Changing the characteristics of the filter is as simple as changing the list of constants. Calculating the exact values for the constants isn't trivial - it's some pretty involved algebra using things like sample rate and desired response - but there are programs available to do that for you. You generate lists of constants ahead of time for filters that you want, and load the list into memory when you want to use them.

Laura's remark about it being easier in Linux refers to the fact that setting up and operating the sound card in Linux is easier than in Windows. Just about any hardware operation is easier in Linux than in Windows.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 29 May 2003 09:03:45 -0500
From: Rob Matherly <w0jrm@arrl.net>
To: qrp-l@lehigh.edu

Subject: [151497] Re: Linux Logger
Message-ID: <200305290903.45404.w0jrm@arrl.net>
Content-Type: text/plain;
charset="utf-8"
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

On Wednesday 28 May 2003 07:57 pm, David J Adams wrote:
> Can anyone recommend a decent linux logger (general purpose...though qrp
> contest support is nice). Finally got the bugs worked out of
> RH9...still not wireless though.

My fav is XLog. You can find it at <http://radio.linux.com.au> (url may be a bit off, but the "good" one is easy to find :^))

- Rob

Date: Thu, 29 May 2003 09:06:41 -0500
From: Rob Matherly <w0jrm@arrl.net>
To: qrp-l@lehigh.edu
Subject: [151498] Re: Soundcard Filtering
Message-ID: <200305290906.41239.w0jrm@arrl.net>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

On Wednesday 28 May 2003 08:26 pm, Tim, N9PUZ wrote:

> >Preaching To The Converted Dept.: such things really are easier to
> >do under Linux, where the sound card is just another device. Read
> >samples from it, process, write samples.

Someone explained this to me a while back, but I've lost the e-mail and can't remember how to fix it:

I cannot get my soundcard to work correctly under Linux. I get "error: device not found" messages relating to /dev/dsp. What I've been told is that /dev/dsp is not pointing to the right device. The problem? I have no idea how to get it to point where it's supposed to. Any ideas, anyone?

72/73/oo
Rob, w0jrm

Date: Thu, 29 May 2003 10:17:02 -0400
From: "Lee Mairs" <lmairs@direcway.com>
To: <plburbank@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151499] Re: Lighter polarity
Message-ID: <039301c325ec\$fe6c0ef0\$3b6d020a@boomer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The problem with British automobile ignition systems is that they were all made by the Lucas company. Mr. Lucas is known irreverently as the "Price of Darkness".

73 de Lee
km4yy/8
Austin Healey 3000 MkII Owner

----- Original Message -----
From: "Pete Burbank" <plburbank@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, May 29, 2003 1:49 AM
Subject: Re: Lighter polarity

>
> Tnx Mike,
> This is an interesting topic and not OT as many folks run QRP mobile. I was
> wondering how the polarity
> to the frame of a vehicle was established in the first place. I poked
> around on the SAE site and did not come
> up with anything. I could not find any standards regarding polarity but
> there is a ton of stuff on the site
> including references to research papers.
> I owned 2 MGBs and guess the British may have started some of the wiring
> protocol for some reason
> unknown to me. For those ignition systems it (IMHO) did not make much
> difference what the polarity
> was but now days polarity can fry your radio. I always check with a VOM.
> Maybe some of our British friends can shed some light on this.
> 73 to all
> Pete NV4V Ky

>
>
>
> At 10:13 PM 5/28/2003, Mike Yetko wrote:
> > > Does anyone know of any autos these days that are positive ground? I
> > know
> > > that in the distant past there were
> > > a few and some mobile radios allowed switching from + to minus. Of
course
> > > that leads to some messy
> > > ground plane/shielding problems.
> > > Is there a SAE standard?
> > > 73
> > > Pete NV4V
> >
> > Currently, I know of no 'production' vehicles. However, it used to be
> > the 'norm' that a lot of 'truck' type vehicles were 'positive' ground
> > years
> > ago. I used to have a 1950 Willys that was negative ground and that
> > surprised more than one of my mechanic friends.
> >
> > I think some of the big 'tractor trailer' type rigs were positive ground
> > into the 70's.
> >
> > Mike
>
>
>
>

Date: Thu, 29 May 2003 15:23:42 +0100
From: "Tony Fishpool" <tonyg4wif@btconnect.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151500] Re: Lighter polarity
Message-ID: <003801c325ed\$eb011760\$e6d98251@celeron>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A number of my early cars (well wrecks) were positive earth. My Austin A35 was and I just turned the battery round and splashed the pos wire on the dynamo field coil and that reversed it OK. I did that with a couple of cars. Of course, there were no electronics in cars then except the neg earth radio I was

trying to fit.

I have no idea how brutal this method was. I was told it would work and it did. Of course, it goes without saying that the vehicle warranty had run out about 20 years before!

Kind regards
Tony - G4WIF

> Maybe some of our British friends can shed some light on this.
> 73 to all
> Pete NV4V Ky
>

Date: Wed, 28 May 2003 09:26:44 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "Pigs" <multipigplus@yahooogroups.com>, "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [151501] Piggi Hunt
Message-ID: <004c01c32525\$2ac3d280\$f374da0c@mchsi.com>

Hey, Any piggies around this morning?

I'm sitting here on 7.044 listening and calling CQ.
Please drop by and say mornen.

72 oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Thu, 29 May 2003 08:28:29 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [151502] QRP Container
Message-ID: <000501c325ee\$94a9b560\$87ca1341@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I have recently found a great container for my equipment when going to the field. It is an igloo padded insulated bag that is 9X12X10 deep. It holds my FT817 MFJ 901B WM1 spare fittings end fed antennas for each band earphones small speaker and J38 key, pads pencils and still has room for a couple of sandwiches 72 Cal KF7ET misplaced Vermonter in Idaho

Date: Thu, 29 May 2003 22:38:23 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: w0jrm@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [151503] Re: Soundcard Filtering
Message-ID: <3ED6C41F.3050506@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Rob Matherly wrote:

>I cannot get my soundcard to work correctly under Linux. I get "error:
>device not found" messages relating to /dev/dsp. What I've been told is that
>/dev/dsp is not pointing to the right device.
>

What distribution of Linux are you using? When you look in the /dev directory do you find a file called dsp?

If there is, what are the permissions for that file and what group either owns it or has permissions to use it?

If the above is just so much geek speak to you, then mail me off list and I can give longer directions. The issue is the sound card is handled by another device/file under /dev and likely the regular user does not have permissions to use it even after we find it so two things will need to be changed. We could create the necessary device file in /dev , but lets not go there yet.

Ed Lawson
K1VP

Date: Thu, 29 May 2003 10:39:28 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>

To: <lmairs@direcway.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [151504] Re: Lighter polarity
Message-ID: <004e01c325f0\$223fef60\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> The problem with British automobile ignition systems is that they were
all
> made by the Lucas company. Mr. Lucas is known irreverently as the
"Price of
> Darkness".
> 73 de Lee
> km4yy/8
> Austin Healey 3000 MkII Owner

An old British biker joke...

Why do the British drink warm beer?

Because Lucas builds refrigerators.

Mike

Date: Thu, 29 May 2003 10:37:50 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [151505] Re: Lighter polarity
Message-ID: <004d01c325f0\$221535e0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> A number of my early cars (well wrecks) were positive earth. My Austin
A35 was
> and I just turned the battery round and splashed the pos wire on the
dynamo
> field coil and that reversed it OK. I did that with a couple of cars. Of
> course, there were no electronics in cars then except the neg earth
radio I was

> trying to fit.
>
> I have no idea how brutal this method was. I was told it would work and it did.
> Of course, it goes without saying that the vehicle warranty had run out about
> 20 years before!
>
> Kind regards
> Tony - G4WIF

I've heard this before from a number of other people.

Wouldn't the starter run backwards? Or did you swap that out?

Mike

Date: Thu, 29 May 2003 09:49:05 -0500
From: Tim Ahrens <tahrens@ktc.com>
To: qrp-l@Lehigh.EDU
Subject: [151506] Re: Shack Cleaning
Message-ID: <3ED61DE1.87697E4E@ktc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The FT-817 has been sold.

Thanks,

Tim

Date: Thu, 29 May 2003 08:01:40 -0500
From: mark.milburn@juno.com
To: qrp-l@lehigh.edu
Subject: [151507] Iowa QRP Club CW Net
Message-ID: <20030529.094721.-704137.0.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oh my, what a night for a QRP net!!! QRN was a factor, but mainly it was

just bad conditions..they were about as bad as it is likely to get.
Nevertheless, we had a nice group:

KQ0I Mark Des Moines, Iowa
WA8BXN Mike Cleveland, Ohio
WB0T Jerry Sioux City, Iowa
WB0MBI Jerry Ottumwa, Iowa
K7RE Brian Rapid City, SD
K5QLF Fred San Antonio, TX

Jerry, WB0T has an ailing dipole, so he drove up on a hill in town and used his hamstick on the car to get in...did pretty very well, too. When you signed in as /P, Jerry, I though you were out camping...hi.

Brian, K7RE, wanted to remind everyone to show up for the hamfest in Sioux City and bring plenty of money. Hmmm, don't know if my wallet will still open.

Don't lose heart, gang...we ought to be through the worst of the band problems and as we go into the more summer like conditions, we may actually get to talk to one another again.

Many thanks to all who brave these awful conditions to keep the net going. It is VERY MUCH appreciated by your NCS. It's frustrating not to be able to copy every word, but it's even more frustrating if nobody shows up at all. See you next Wednesday.

72 Mark KQ0I
Des Moines, Iowa

Date: Thu, 29 May 2003 16:27:36 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [151508] [OT] SuSE 8.2 Pro [long]
Message-ID: <5.2.1.1.0.20030529160627.00b4c3b8@smtp.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Since the LINUX thread started up again, here is an update.

For those that sent me their names as an interest in SuSE LINUX.
I have sent out, via first class mail today 6 sets of CDs with a quick installation guide to help get you started. Please please make a quick

copy and pass them on. Instead of me keeping track, just post to the group that you have them ready to ship and ship them on. The CDs have everything but the source and if you want/need that then send me email after you get set up and I'll try my best to help. This will take time since so many people are involved.

I sent email to SuSE direct and they said it was OK as the GNU GPL license is in effect.

I bought a DVD Burner yesterday and will make one set (2 CDs) that I will send out to the first person that sent me email saying they had a DVD burner. The burners are now under \$200 (without the rebate) but the media (for the DVD+R) is still around \$3.50 each, but not too bad for 4.7GB of storage. I got talked into the extra \$20 for the DVD+R instead of the DVD-R and since I don't know squat about this I trusted the guy. You know the story. Time will tell if I made the right choice..... Good sounding sales pitch.....

If you haven't worked with large computers with operating systems other than WindowsXX, then you have a learning curve and there is now way around it. So figure on going back to school. Recommending books is like recommending an iambic paddle, but there are more books than paddles. :-) So every one has their favorite. Just go to your local library and check them out and start reading.

Doug, KI6DS, posted about the DSP programming issue. If you have learned BASIC back in the old days, then you can learn a new programming language. My recommendation is to learn C (sorry, not C++ or C#) to start with. It's not too bad. I recommend you spend the \$22 and get "SAMS Teach Yourself C in 24 Hours" by Tony Zhang. ISBN 0-672-31068-6 And since you get a C compiler (and the other languages too) for free with LINUX then you are all set to learn.

I don't see a C compiler for free for WindowsXX any where..... :-)

If I can get it worked out. Next week I get a 512KB microwave link to the house with three computers hooked up. One will be LINUX and I will try to get a web site set up where I'll have 10GB of disk space just for the web page. Then I'll start a series on C programming for Hams and another page for links to work that others have already done so that I don't have to do all the work. But the idea is that there is so much material available you are just going to have to do a lot work learning something new. Consider it an adventure.

I used to teach this dweeb stuff so let's hope that I haven't forgotten too much.

Looks like it is time for another reflector group just for these issues?

FYI

Chuck Adams K7QO k7qo@earthlink.net
http://www.qsl.net/k7qo CP-60

Date: Thu, 29 May 2003 08:41:09 -0700 (PDT)
From: Garie Halstead <khyberpass65@yahoo.com>
To: "John J. McDonough" <wb8rcr@arrl.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [151509] Re: Icom 706 MKII info ?
Message-ID: <20030529154109.22022.qmail@web80506.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- "John J. McDonough" <wb8rcr@arrl.net> wrote:

> I understand the rig will chop the leading element a bit, but
> it's not
> noticeable below about 40 WPM.

I've found that changing the weighting (heavier) helps this condition. This can be changed in the Quick Set Mode under <Q6 Ratio>. My setting is 3.5 instead of the default 3.0 but one can go up to 4.5

I had a 2m problem with my MKII. When running at the lower power levels on CW into a 2m amplifier, there would be an occasional power spike to full power. Icom support was never any help in solving this problem which was non-existent on HF. When I later acquired an Icom706MKIIG, the power spike problem on 2m was not present. I believe others have also noted this problem with the older MKIIs so the problem obviously wasn't indictive of just my particular radio.

72 //Gary -K8KFJ-
West Virginia

Do you Yahoo!?

Yahoo! Calendar - Free online calendar with sync to Outlook(TM).
<http://calendar.yahoo.com>

Date: Thu, 29 May 2003 13:09:12 -0400
From: "Scott Galloway" <scott@defiant.mcgeorgecarco.com>
To: qrp-1@lehigh.edu
Subject: [151510] was re:survey now antenna question
Message-ID: <20030529170626.M75010@mcgeorgecarco.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1

> > You'll need a separate antenna for both bands for best results; a
resonant
> > single band antenna gives the most bang for your qrp buck...anything else
is
> > a compromise. You don't want compromise antennas on qrp...if you can do
> > otherwise.
> >
> > Good luck!
> >
> > 73 John K7FD
----- End of Original Message -----

John,

I tried to send this to you at your hotmail address but it came back.

What about a 40m doublet fed with 450 ohm ladder line? Wouldn't that antenna
be more efficient than the same antenna fed with coax? Both being operated
only on 40m.

I am asking because I am not sure. Thank you for your time and response.

Scott AE4TC
ae4tc@arrl.net

Date: Thu, 29 May 2003 13:22:08 -0400
From: geoff allsup <gallsup@whoi.edu>

To: k7qo@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [151511] Re: [OT] SuSE 8.2 Pro [long]
Message-ID: <3ED641C0.7020805@whoi.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Chuck Adams wrote:

>
> I don't see a C compiler for free for WindowsXX any where..... :-)
>

FWIW, see djgpp:

<http://www.delorie.com/djgpp/>

- works reasonably well if you're trapped in Win/Dos :-)

geoff

--

Geoff Allsup, W10H gallsup@whoi.edu or w10h@arrl.net
Upper Ocean Processes Group
Woods Hole Oceanographic Institution Woods Hole, MA, USA

Date: Thu, 29 May 2003 10:40:35 -0700
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [151512] Re: Soundcard Filtering
Message-ID: <Law8-F843L3YbulTT0s0003cad8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Doug wrote:

>Laura, you are kidding right? I don't have a clue where to start writing
>my
>own program for a dsp filter. Are you sure that this post isn't an April
>Fool's joke? 72, Doug

I am absolutely serious. We hams make a great deal of noise about being on top of technology. This should be more than just lip service.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

Help STOP SPAM with the new MSN 8 and get 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Thu, 29 May 2003 11:23:44 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <marsgal42@hotmail.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [151513] Re: Soundcard Filtering
Message-ID: <002501c3260f\$86bd6570\$4842f842@RadioRoom>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Laura's recent post suggesting that writing your own DSP algorithms was relatively simple reminds me of an axiom often used within computer networking groups. It says, "Everything is simple once you understand it."

Everyone has his or her own area of expertise. What is simple and easy for Laura might be impossible for Doug. On the other hand, Doug has demonstrated skills in given areas that are far beyond what most others have.

My point is this:

1. It is probably easy for Laura to write DSP algorithms.
2. It is probably easy for Doug to create something as dynamic as NorCal.
3. If Doug and Laura were to change hats I doubt we would have DSP or NorCal at all.

=====
Bill Jones KD7S <><
<http://www.psnw.com/~kd7s>
Sanger, California
=====

Date: Thu, 29 May 2003 14:30:36 -0400
From: "sslyon" <sslyon@megalink.net>
To: <scott@defiant.mcgeorgecarco.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [151514] survey: now antenna question
Message-ID: <00d601c32610\$65d20220\$0ac8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

=====
>Subject: was re:survey now antenna question
> You'll need a separate antenna for both bands for best results; a
> resonant single band antenna gives the most bang for your qrp >buck...anything
else is a compromise.
=====

An 88' EDZ fed with parallel line will provide multi-band coverage and significant gain over a resonant dipole on 40m and higher frequencies. It develops quite a spread of lobes on higher bands, but that isn't all bad, and can hardly be considered a "compromise" -unless you are judging for pattern symmetry for some obscure reason. Read what W4RNL says about the EDZ on his web page, and talk to the folks that own them :) Don't quite have the 88' ? -no problem... droop the ends symmetrically.

In *all* cases I'd recommend a low loss tuner such as a Z-Match, ZM-2, and variants. Being able to load an antenna optimally anywhere in any band in any weather circumstance more than compensates for the relatively inconsequential tuner insertion losses. Further, with a tuner/swr indicator, you can quickly detect and correct changes and problems that aren't readily evident from signal reports alone. You're really "driving blind" if you don't have a good tuner/indicator.

73
aa1my

Date: Thu, 29 May 2003 13:49:14 -0500
From: <stanw@toxsor.com>
To: <qrp-1@lehigh.edu>
Subject: [151515] Re: Soundcard Filtering

Message-ID: <000301c32613\$04eed160\$0364010a@toxso.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There is an excellent article on the web to help get you started in DSP and ham radio.

<http://www.flex-radio.com/>

Read QEX paper Nr. 3

Also read

www.vlf.it/fft_beginners/fft_beginners.html

In addition the QEX articles include excellent reference books available from amazon.com.

de Stan ak0b

Welcome to the next generation of ham radio.

Date: Thu, 29 May 2003 13:33:27 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [151516] Red letter day here!
Message-ID: <Pine.LNX.4.33.0305291330210.17604-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow!...I checked our mailbox and my good day became a red letter day...I received my miniboots amp and QRPp Winter 2002 as well as Spring 2003...FANTASTIC EH!?!...
...the amp parcel looked like someone ran over it but upon my cursory glance inside, I think everything's ok...
...thanks a million NorCal!!! - Zombie#272...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 29 May 2003 12:16:08 -0700
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [151517] Re: Soundcard Filtering
Message-ID: <20030529.125252.-154331.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hmmmmmm.....sounds like another NorCal kit in the works ;)

73.....Steve Smith WB6TNL
Oxnard, CA USA
"Snort Rosin"

--I know you believe you understand what you think I said,
but I am not sure you realize that what you heard is not what I meant.--

On Thu, 29 May 2003 10:40:35 -0700 "laura halliday"
<marsgal42@hotmail.com> writes:

> Doug wrote:
>
> >Laura, you are kidding right? I don't have a clue where to start
> writing
> >my
> >own program for a dsp filter. Are you sure that this post isn't an
> April
> >Fool's joke? 72, Doug
>
> I am absolutely serious. We hams make a great deal of noise
> about being on top of technology. This should be more than
> just lip service.
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN89lg pied a terre..."
> ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!

Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Thu, 29 May 2003 16:06:54 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Bill Jones" <kd7s@psnw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [151518] Re: Soundcard Filtering
Message-ID: <010701c3261d\$db721620\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Everyone has his or her own area of expertise.

Well, maybe it's time for those that find it easy to post snippets of code so that others can use them as building blocks.

I know I personally would love to see some examples of say, sliding windows QFT transform routines.... Then I could (at least, I THINK I could!. Hmm, maybe I'd better say 'someone competent could...') do a quick check for tone...

Mike

Date: Thu, 29 May 2003 14:21:00 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [151519] More solar activity-- Long
Message-ID: <20030529.142105.-445221.9.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

NDB List Information Page:
<http://www.beaconworld.co.uk/info.htm>

=====
This Is SKY & TELESCOPE's AstroAlert for Sun-Earth Interactions
=====

A s t r o A l e r t
Sun-Earth Alert

Solar Terrestrial Dispatch
<http://www.spacew.com>

Supporting Imagery and Movies are available at:
<http://www.spacew.com/astroalert.html>

29 May 2003

ANOTHER X-CLASS FLARE RIPS FROM SUNSPOT COMPLEX 10365

Region 10365 (nicknamed '365' by space weather forecasters) is continuing to flex its "muscles". At 9:06 pm EDT on 28 May (01:06 UTC on 29 May) this region spawned its third major X-class solar flare in less than 36 hours.

The spot complex has continued to grow in size and magnetic complexity over the last 24 hours despite the intensity of the solar flaring, which often brings greater stability to volatile sunspot groups. Additional major solar flares are possible over the next several days.

The full-halo (Earthward-directed) coronal mass ejection associated with this latest X-class flare is expected to impact the Earth sometime in the late-evening hours of 30 May for North American observers (or the early UTC hours of 31 May for other international locations). The arrival of this disturbance will effectively prolong the anticipated disturbed geomagnetic and auroral conditions that may pre-exist at that time - caused by the arrival of the coronal mass ejections associated with yesterday's X-class solar flares.

Keep your eye's toward the skies over the next several evenings.
Rapidly

updated and current information is available and will be provided through the forecast notes at Solar Terrestrial Dispatch (www.spacew.com). Software is also available through this site to significantly help observers to know when to look for auroral activity. Current sightings of auroral activity are also available through the Global Auroral Activity Observation Network at: <http://www.spacew.com/www/auroras.html>. Imagery of recently observed auroral activity can also be found in the image gallery at: <http://www.spacew.com/gallery>. Real-time images of the Sun and flare activity are available from: <http://www.spacew.com/sunnow>

Date: Thu, 29 May 2003 16:47:03 -0400 (EDT)
From: <n2go@arrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [151520] Trade Garmin STreet Pilot
Message-ID: <Pine.LNX.4.33.0305291630400.19824-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For the County hunter that just has to know how to get there and "exactly" where he is... It has a nice big screen.
I got this last year at Dayton in a moment of weakness :))

I used it to get to the The Fenway last year to help haul some of my son's stuff home from school last year.(I am glad that contribution ran its course, that was a tough nut for 4 years.)
I used the software to make up the map on my computer. I have a couple cd's with maps. Some general and the streetmap version. I got a USB plug in reader/Writer for the memory modules. (there are two, one 16M and one 64M)
I got to the Boston area just in time for the Sox game,DUH. It was horrible. The GPS told me exactly where to turn. average speed, top speed(oops, had to erase that!) ETA. It shows the distance to gas stops, restaurants.
So I am in traffic and this thing is telling me to turn left of right in 50 feet or whatever. It was great.It got me within feet of his front door. I had his address programmed in.

I have an Cigarette lighter adapter and an unused dashmount for it.
Manuals , original box etc.USB external programmer, 16M and 64M plugins couple

cd's. Excellent shape.

I don't drive or travel that much. Trade for radio or something interesting.

73,

Jim n2go

Date: Thu, 29 May 2003 17:06:07 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [151521] Telephone Area Code Contest (TAC) 2003
Message-ID: <000c01c32626\$762784e0\$d3615cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Sixth Annual QRP TAC Sprint

**** New Category - Classic QRP Rigs ****

Sponsored by The Eastern PA QRP Club
Date = Saturday, June 7, 2003
Time = 1800 to 2359 UTC
MODE = CW only

DEADLINE FOR SUBMISSION IS 12 JULY 2003.
WINNERS ANNOUNCED ON 31 JULY 2003.

Exchange = Call, RST, Name, State, and TAC (Telephone Area Code) or DX Area Code.

Pennsylvania stations will send an "X" after their Area Code, example 610x.

72 & Good DX
Ron de N3EPA
El Presidente'
n3epa@fast.net
www.n3epa.org

Date: Thu, 29 May 2003 17:08:32 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [151522] Telephone Area Code Contest (TAC) 2003
Message-ID: <001001c32626\$781216d0\$d3615cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

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or DX Area Code.

Pennsylvania stations will send an "X" after their Area Code, example 610x.

Check out www.n3epa.org/ for more details.

72 & Good DX
Ron de N3EPA
El Presidente'
n3epa@fast.net
www.n3epa.org

Date: Thu, 29 May 2003 17:34:07 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: qrp-L Reflector <qrp-l@lehigh.edu>,
 noga reflector <nogaqrp@mailman.qth.net>
Subject: [151523] Fwd: Geomagnetic Storms
Message-ID: <5.2.0.9.2.20030529173313.020191b0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Date: Thu, 29 May 2003 14:30:36 -0500
>Subject: Geomagnetic Storms
>To: "SpaceWeather.com" <swlist@spaceweather.com>
>From: "SpaceWeather.com" <swlist@spaceweather.com>
>
>
>Space Weather News for May 29, 2003
><http://www.spaceweather.com>
>
>Two solar coronal mass ejections swept past Earth today, triggering strong
>and ongoing geomagnetic storms. Because of the timing of the impacts, the
>best places to see auroras so far have been New Zealand and southern parts
>of Australia. Sky watchers elsewhere should be alert for auroras after
>local nightfall. Even mid-latitude observers might spot some Northern and
>Southern Lights. Because the moon is nearly-new, lunar glare will not
>interfere with faint auroras.
>
>Another coronal mass ejection is likely en route to Earth. If so it would
>arrive on Friday, May 30th, and extend the ongoing geomagnetic activity.
>
>Visit spaceweather.com for updates.
>
>---

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...

and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

Date: Thu, 29 May 2003 15:35:19 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [151524] more solar -Fw: e-alert 05.29 21:15 UTC-- long
Message-ID: <20030529.153521.-445221.12.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

More solar tantrums from the NW7US list.

Going from a bad K6 to K8 is really bad with
an A index of 69 - horrid.

73

Ray

"Texas can make it without the United States,
but the United States can't make it without Texas."

Sam Houston, Governor

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M

ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

----- Forwarded message -----

From: Tomas NW7US <sr@hfradio.org>
Date: Thu, 29 May 2003 14:25:32 -0700
Subject: e-alert 05.29 21:15 UTC

SFI:138 frm 130 A:69 frm 34 K:8 frm 6 (330 nT) 2100 29 May

Frcst: SWX next 24h:strong: G3 S1 R2

Obs: SWX last 24h:severe: G4 S2 R3

Flare: 6h hi:M2(1935Z May29) 24h hi:X1(0105Z May29)

SSN: 116 (28 May 2003)

Au: 10

S Wind: 782 km/s @ 31.6 protons/cm3

Global HF Propagation Conditions

for 2000Z on 29 May, 2003

Low Latitude: Poor

Mid Latitude: Poor
Hi Latitude: Poor(PCA)

Warning (188): Proton 10MeV Integral Flux above 10pfu expected
From: 2003 May 28 0400 UTC To: 2003 May 29 1500 UTC
Condition: Onset. Extends Warning #187.

Watch (24): Geomagnetic A-index of 50 or greater predicted
Valid for UTC Day: 2003 May 30

Warning (259): Geomagnetic K-index of 5 expected
From: 2003 May 28 2320 UTC To: 2003 May 29 1500 UTC
Condition: Onset

Warning (260): Geomagnetic K-index of 5 expected
From: 2003 May 28 2320 UTC To: 2003 May 30 1500 UTC
Condition: Persistence. Extends Warning #259.

Watch (262): Geomagnetic A-index of 20 or greater predicted
Valid for UTC Day: 2003 May 29

Watch (263): Geomagnetic A-index of 20 or greater predicted
Valid for UTC Day: 2003 May 31

Warning (4): Geomagnetic K-index of 7 or greater expected
From: 2003 May 29 1840 UTC To: 2003 May 30 1500 UTC
Condition: Onset

Watch (62): Geomagnetic A-index of 30 or greater predicted
Valid for UTC Day: 2003 May 30

Warning (64): Geomagnetic K-Index of 6 expected
From: 2003 May 29 1545 UTC To: 2003 May 29 2359 UTC
Condition: Onset

Alert (1): Geomagnetic K-index of 8
Period: 1800-2100 UTC
Threshold Reached on 2003 May 29 2013 UTC

Alert (28): Geomagnetic K-index of 7
Period: 1800-2100 UTC
Threshold Reached on 2003 May 29 1909 UTC

Alert (292): Geomagnetic K-index of 5
Period: 0000-0300 UTC
Threshold Reached on 2003 May 29 0218 UTC

Alert (97): Geomagnetic K-index of 6

Period: 1500-1800 UTC
Threshold Reached on 2003 May 29 1633 UTC

Alert (98): Geomagnetic K-index of 6
Period: 1800-2100 UTC
Threshold Reached on 2003 May 29 1902 UTC

Support: <http://hfradio.org/notice.html>
More Info / Unsubscribe: <http://hfradio.org/propagation.html>

Date: Thu, 29 May 2003 17:41:22 -0400
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [151525] Palm Paddle for trade
Message-ID: <000501c3262b\$0cc6a4e0\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang:

Haven't been out in the field for quite a while so I have a
new in the box Palm Paddle for trade.

The paddle is grey and black and comes with the mounting
bracket and optional magnetic mounting bracket.

It is perfect in every way. Will trade for a VibroPlex Code
Warrior paddle in similar condition plus some cash.

73, Joe W2KJ
North Carolina

End of QRP-L Digest 2935

